

CLAIM AMENDMENTS

1. (Currently Amended)

A bottom valve apparatus of a hydraulic shock absorber comprising:
a bottom piece;
a flow passage formed in the bottom piece;
a check valve opening and closing the flow passage, said check valve having an aperture and a plurality of centering projections in an inner periphery of the check valve;
a spring urging the check valve;
the check valve and the spring being fixed to one face side of the bottom piece by a fixing member, said fixing member provided with a projection,
wherein the check valve and the spring are subassembled in the fixing member and an inner circumference peripheral edge of the aperture defined by the ends of the centering projections has a smaller diameter than an outer diameter of the projection of the fixing member.

2. (Currently Amended)

The bottom valve apparatus of a hydraulic shock absorber according to claim 1, wherein the projection of the fixing member is provided in an outer periphery of the fixing member, and ~~a the centering projection-projections in an inner periphery of the check valve is-are~~ arranged and constructed to overcome the projection of the fixing member by elastic deformation, wherein the centering ~~projection-projections~~ of the check valve ~~is are~~ supported by the projection of the fixing member.

3. (Original)

The bottom valve apparatus of a hydraulic shock absorber according to claim 1, wherein the fixing member is constituted by a bolt and a nut screwed with the bolt, the projection is provided in a lower end portion brought into contact with the bottom piece along an outer periphery of the nut, and the check valve and the spring are previously subassembled in the nut.

4. (Currently Amended)

The bottom valve apparatus of a hydraulic shock absorber according to claim 2, wherein the fixing member is constituted by a bolt and a nut screwed with the bolt, the projection of the fixing member is provided in a lower end portion brought into contact

with the bottom piece along an outer periphery of the nut, and the check valve and the spring are previously subassembled in the nut.

5. (Original)

The bottom valve apparatus of a hydraulic shock absorber according to claim 1, wherein the spring comprises a coil spring.

6. (Original)

The bottom valve apparatus of a hydraulic shock absorber according to claim 2, wherein the spring comprises a coil spring.

7. (Original)

The bottom valve apparatus of a hydraulic shock absorber according to claim 3, wherein the spring comprises a coil spring.

8. (Original)

The bottom valve apparatus of a hydraulic shock absorber according to claim 4, wherein the spring comprises a coil spring.

9. (Currently Amended)

The bottom valve apparatus of a hydraulic shock absorber according to claim 3, wherein the projection of the ~~nut~~-fixing member comprises a flange-like entire peripheral projection extending over an entire periphery of the outer periphery of the nut.

10. (Currently Amended)

The bottom valve apparatus of a hydraulic shock absorber according to claim 4, wherein the projection of the ~~nut~~-fixing member comprises a flange-like entire peripheral projection extending over an entire periphery of the outer periphery of the nut.

11. (Withdrawn)

The bottom valve apparatus of a hydraulic shock absorber according to claim 3, wherein the projection of the nut comprises partial projections disposed along a plurality of positions in a peripheral direction of the outer periphery of the nut.

12. (Withdrawn)

The bottom valve apparatus of a hydraulic shock absorber according to claim 4, wherein the projection of the nut comprises partial projections disposed along a plurality of positions in a peripheral direction of the outer periphery of the nut.

13. (Withdrawn)

The bottom valve apparatus of a hydraulic shock absorber according to claim 1, wherein partial projections are disposed along a plurality of positions along the outer periphery of the fixing member, and the centering projection in the inner periphery of the check valve is supported by the partial projections of the fixing member.

14. (Withdrawn)

The bottom valve apparatus of a hydraulic shock absorber according to claim 13, wherein the fixing member is constituted by a bolt and a nut screwed with the bolt, the partial projections are disposed along a plurality of positions along the peripheral direction of a portion brought into contact with the bottom piece adjacent an underhead side of the bolt, and the check valve and the spring are previously subassembled in the bolt.

15. (Withdrawn)

The bottom valve apparatus of a hydraulic shock absorber according to claim 14, wherein the spring comprises a coil spring.

16. (Withdrawn)

The bottom valve apparatus of a hydraulic shock absorber according to claim 1, wherein a stop ring is disposed along an outer periphery of the fixing member, and an inner periphery of the check valve is supported by the stop ring of the fixing member.

17. (Withdrawn)

The bottom valve apparatus of a hydraulic shock absorber according to claim 16, wherein the fixing member comprises a rivet, and annular groove is provided in an outer periphery of a portion brought into contact with the bottom piece adjacent an underhead side of the rivet, and the check valve and the spring are previously subassembled in the rivet by locking the stop ring with the annular groove.

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18. (Withdrawn)

The bottom valve apparatus of a hydraulic shock absorber according to claim 17,
wherein the spring comprises a coil spring.